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(54) Title: REVERSIBLE, HEAT-SET, ELASTIC FIBERS, AND METHOD OF MAKING AND ARTICLES MADE FROM SAME

(57) Abstract: A reversible, heat-set covered fiber is described, the covered fiber comprising: A. A core comprising an elastic fiber comprising a substantially crosslinked, temperature-stable, olefin polymer; and B. A cover comprising an inelastic fiber. The fiber is heat-set by a method comprising: (a) Stretching the covered fiber by applying a stretching force to the covered fiber; (b) Heating the stretched covered fiber of (a) to a temperature in excess of the crystalline melting point of the olefin polymer for a period of time sufficient to at least partially melt the olefin polymer; (c) Cooling the stretched and heated covered fiber of (b) to a temperature below the crystalline melting point of the olefin polymer for a period of time sufficient to solidify the polymer; and (d) Removing the stretching force from the covered fiber.

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A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	D01F6/30	D01F6/70 D02G3/32 D04H1/42
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B. FIELDS SEARCHED		
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EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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* Categories of cited documents : - document defining the general state of the art which is not - document published on or after the international - document which may throw doubts on priority claim(s) or - document referred to establish the publication date of another - document referring to an oral disclosure, use, exhibition or - document published prior to the international filing date but later than the priority date claimed		
T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art. *G* document member of the same patent family		
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